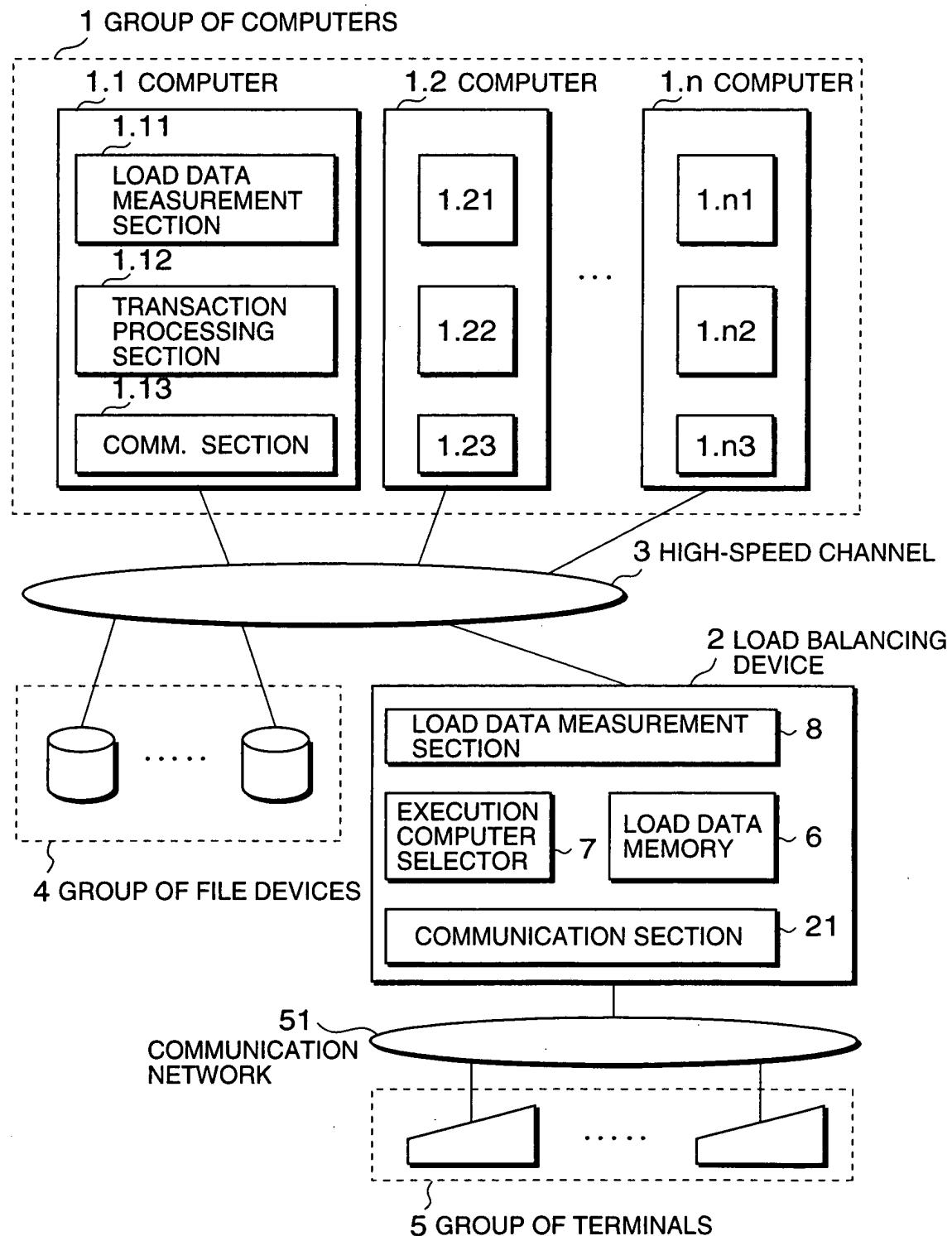




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## FIG. 1



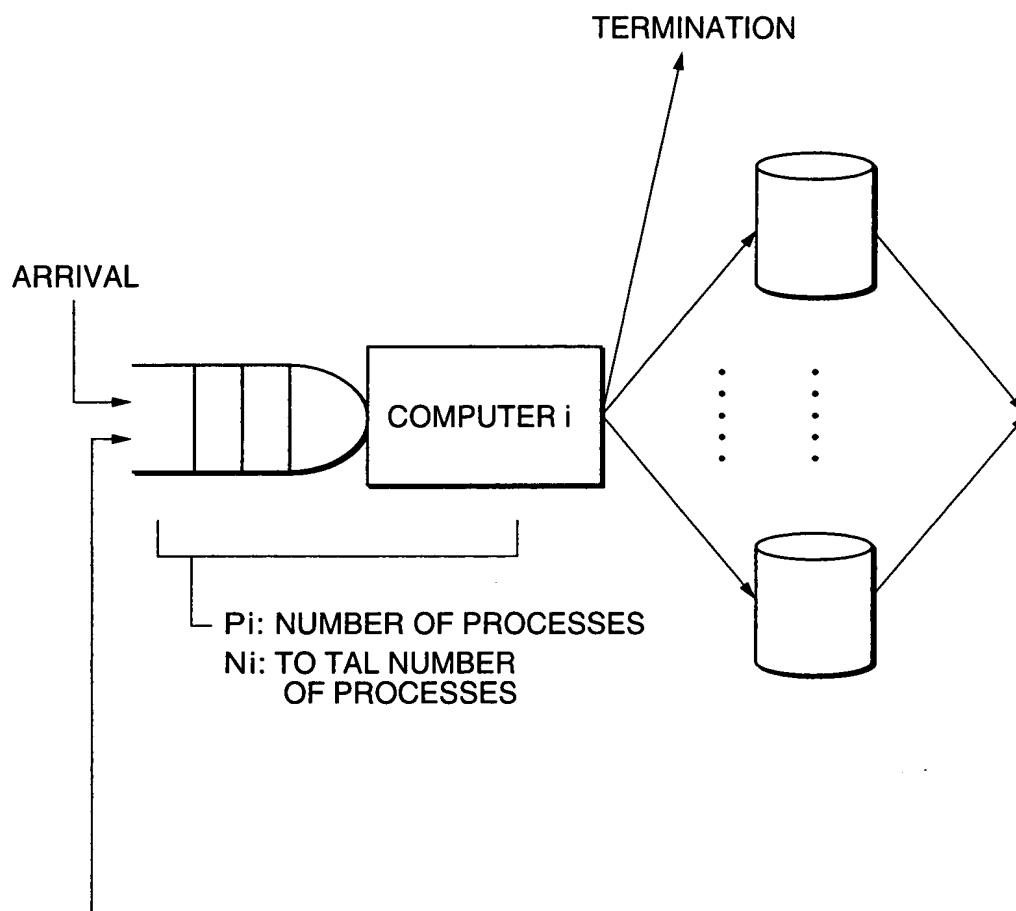
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## FIG.2



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FIG.3

| COMPUTER # | NUMBER OF CURRENT TRS | ESTIMATED NUMBER OF TRS | ESTIMATED NUMBER OF TRS/CPU-SYSTEM | ESTIMATED ELONGATION RATE | ESTIMATED ELONGATION RATE AFTER DISTRIBUTION | ESTIMATED LOAD |
|------------|-----------------------|-------------------------|------------------------------------|---------------------------|--|----------------|
| T1         | T2                    | T3                      | T4                                 | T5                        | T6   | T7             |
| 1          | Np1                   | Ne1                     | Pe1                                | Epi                       | En1  | Lxy1           |
| 2          | ...                   | ...                     | ...                                | ...                       | ...  | ...            |
| i          | Npi                   | Nei                     | Pei                                | Epi                       | Eni  | Lxyi           |
| n          | Npn                   | Nen                     | Pen                                | Epn                       | Enn  | Lxyn           |

$$x = p/a/k \quad y = 1/2/3$$



FIG.4A

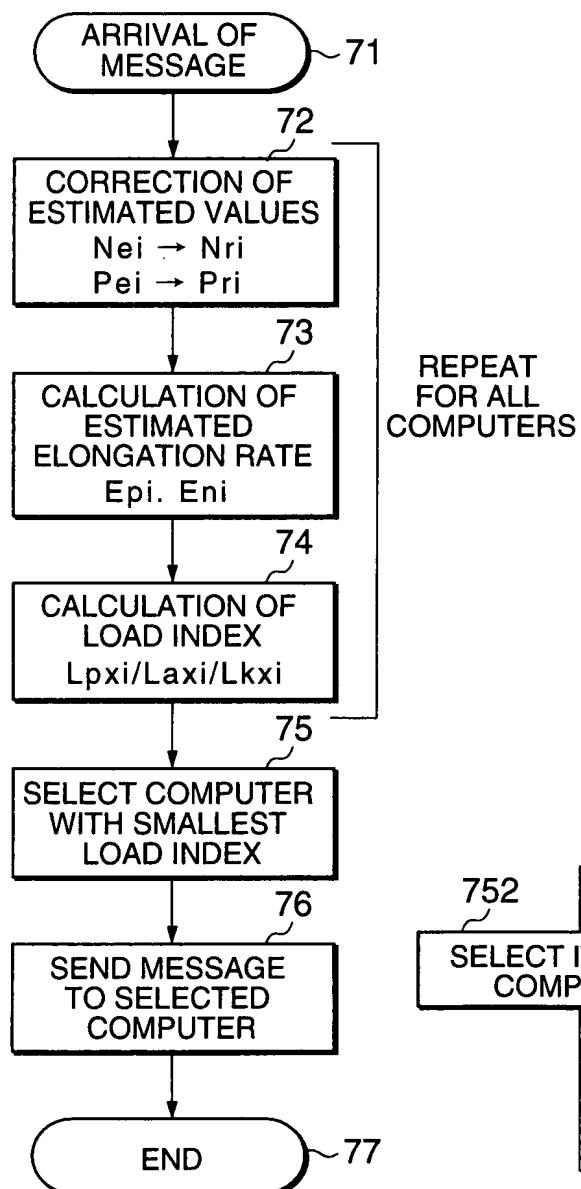
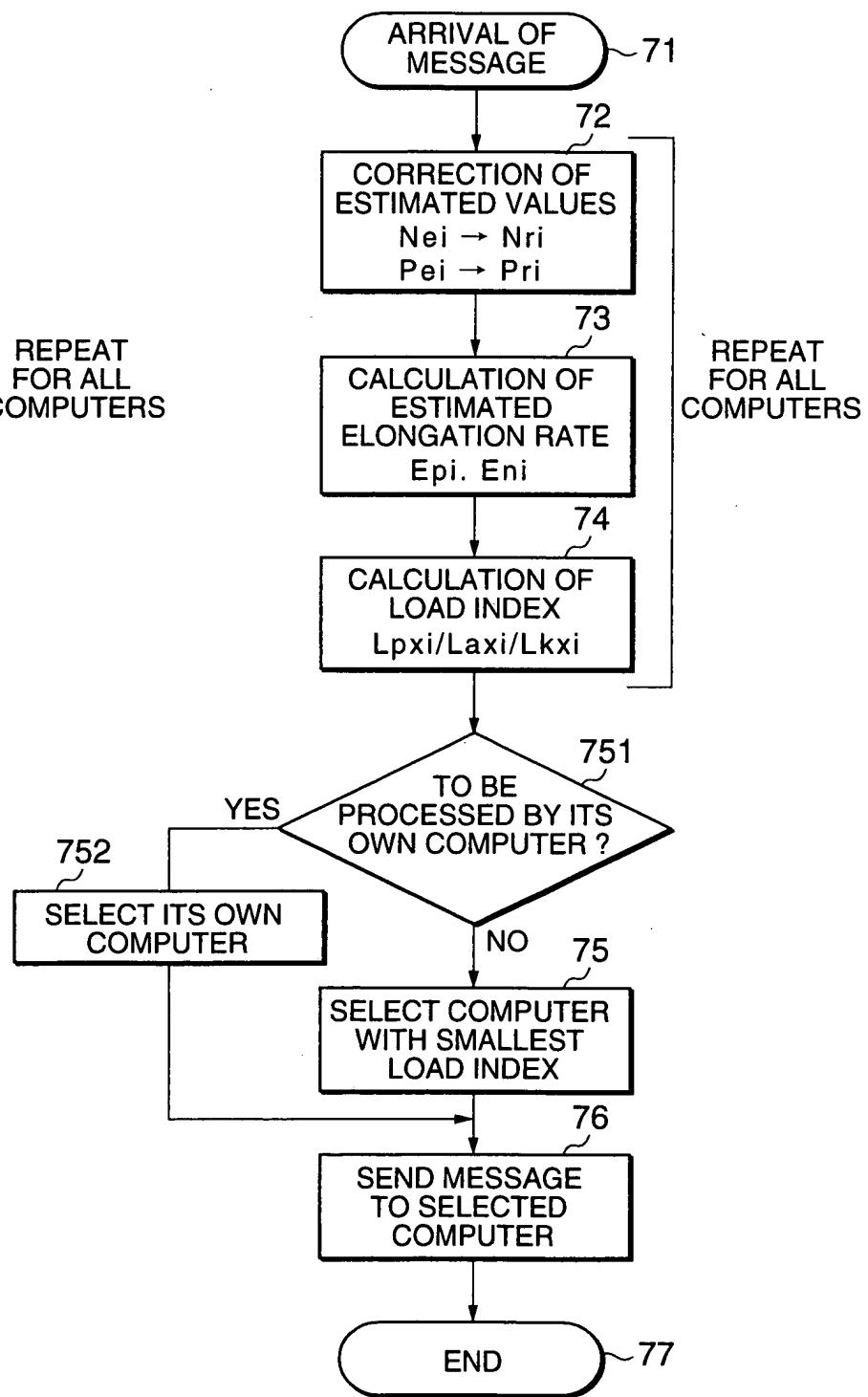


FIG.4B



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FIG.5

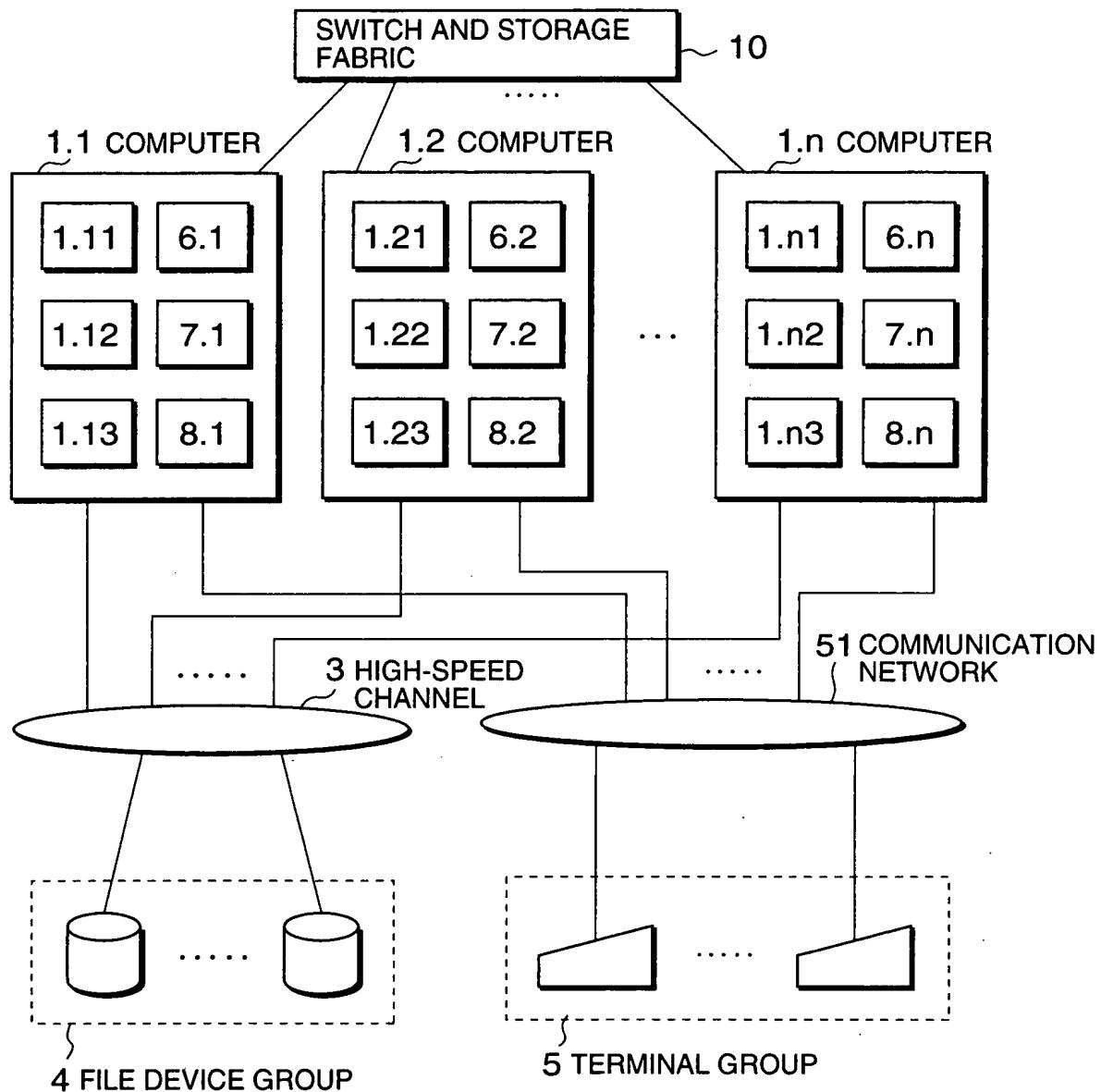


| ELONGATION RATE LOAD INDEX                           | ESTIMATED ELONGATION RATE BEFORE SCHEDULING | ESTIMATED ELONGATION RATE AFTER SCHEDULING UNKNOWN CHARACTERISTICS | ESTIMATED CHARACTERISTICS |
|--|---|--|---------------------------|
| ELONGATION RATE ASITS                                | $Lp1=Epi$                                   | $La1=Eni$  | $Lk1=Eki$                 |
| ELONGATION RATE MULTIPLIED BY NUMBER OF TRANSACTIONS | $Lp2=Nri \times Epi$                        | $La2=Nni \times Eni$   | $Lk2=Nni \times Eki$      |
| AN INCREASE IN TOTAL ELONGATION RATE                 | —   | $La3=La2 - Lp2$  | $Lk3=Lk2 - Lp2$           |



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## FIG.6



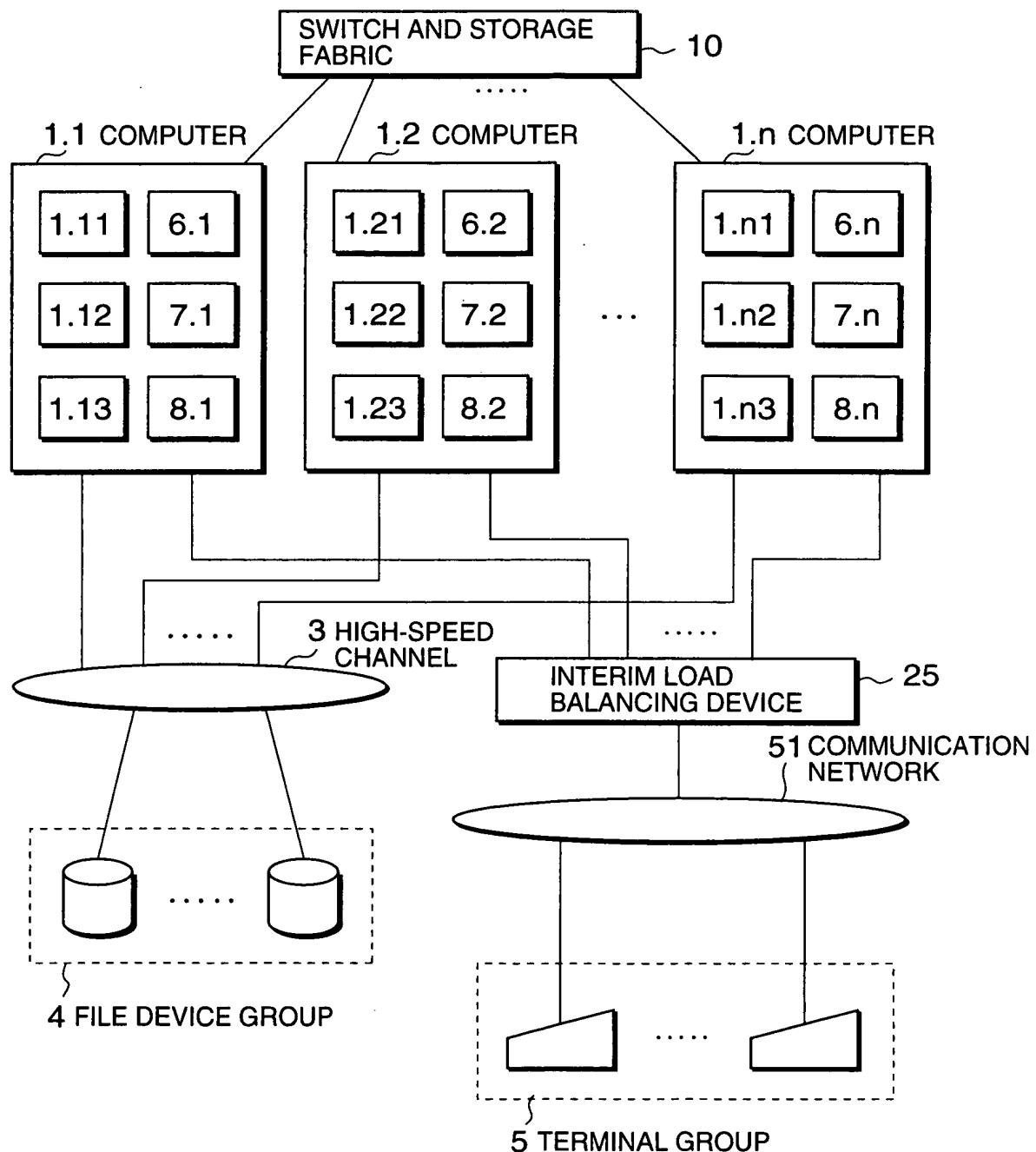
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## FIG.7

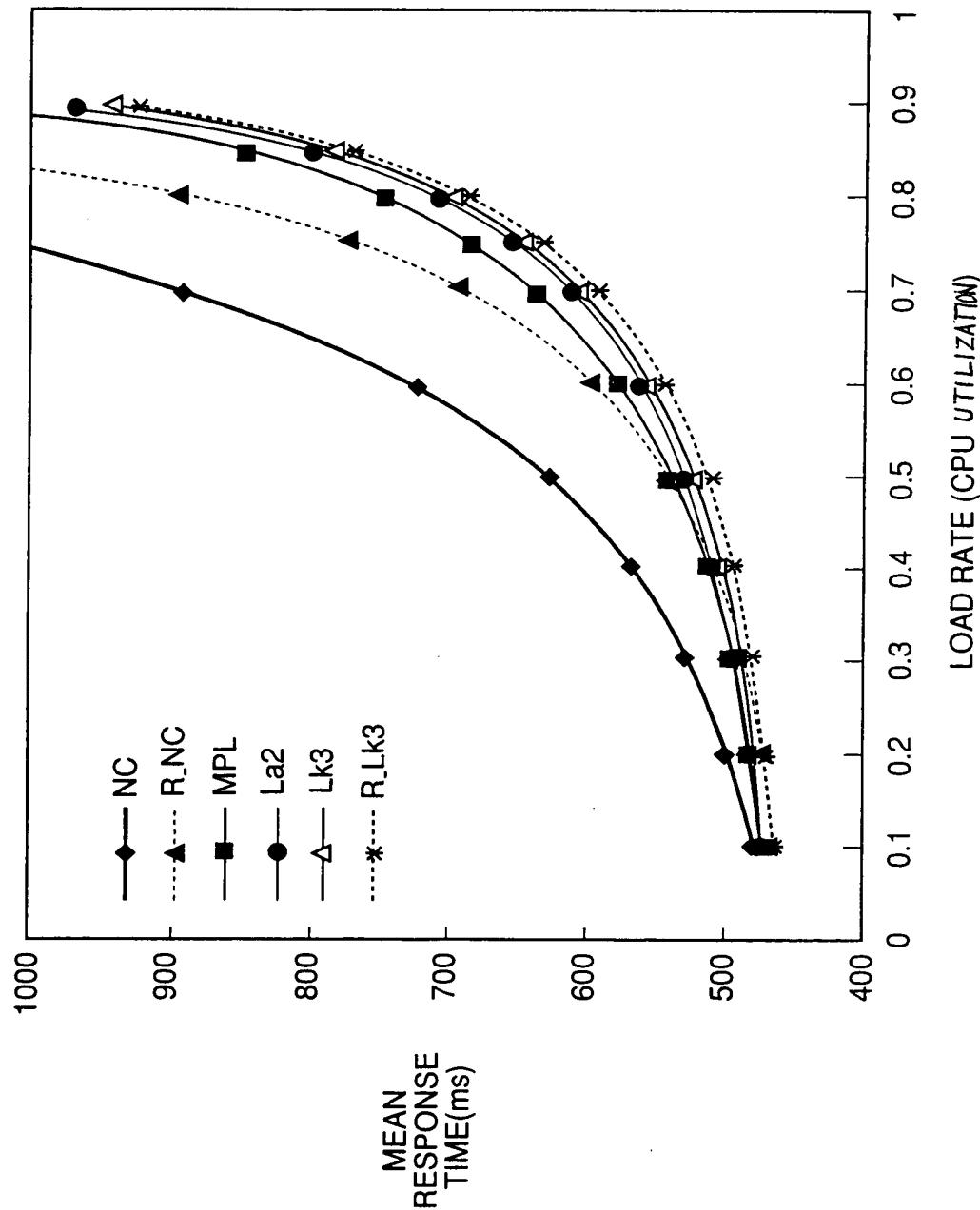


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FIG. 8



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FIG.9

